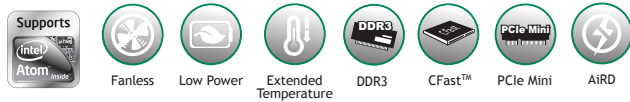
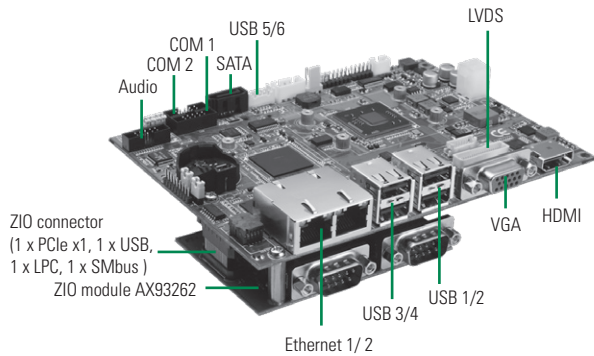


CAPA830

Intel® Atom™ D2550/ N2600/ N2800 3.5"
Embedded SBC with Intel® NM10 Chipset,
LVDS/HDMI/VGA, Dual LANs, Audio and ZIO



System

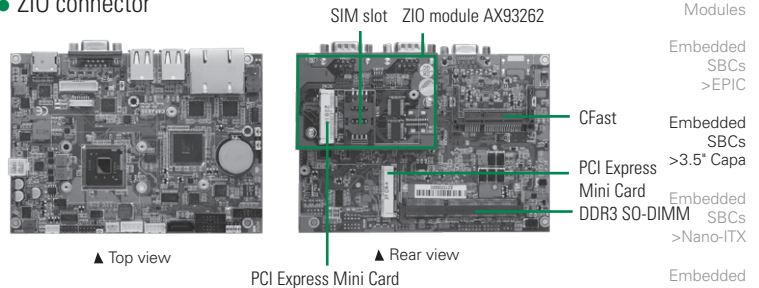
| | |
|-----------------------|--|
| CPU | Intel® Atom™ processor D2550 1.86 GHz/ N2800 1.86 GHz/ N2600 1.6 GHz dual core onboard |
| System Memory | 1 x 204-pin SO-DIMM supports DDR3-800/1066 max. up to 4 GB (N2600 supports DDR3 800 max. up to 2 GB) |
| Chipset | Intel® NM10 |
| BIOS | AMI |
| SSD | 1 x CFAST™ |
| Watchdog Timer | 255 levels, 1~255 sec. |
| Expansion Interface | 1 x PCI Express Mini Card V1.2 1 x USB, 1 x PCIe x1, 1 x LPC, 1 x SMBus through a ZIO connector |
| Battery | Lithium 3V/220mAH |
| Power Input | 2 x 2-pin connector +12V DC-in only AT Auto Power ON function supported |
| Power Requirements | Intel® Atom™ N2600 @ 1.6 GHz, 1GB DDR3 Max. RMS: +12V @ 1.077A Intel® Atom™ N2800 @ 1.86 GHz, 1GB DDR3 Max. RMS: +12V @ 1.156A Intel® Atom™ D2550 @ 1.86 GHz, 1GB DDR3 Max. RMS: +12V @ 1.44A |
| Size | 146 x 104 mm |
| Board Thickness | 1.6 mm |
| Operating Temperature | -20°C ~ +70°C (-4°F ~ +158°F), operation |
| Operation Humidity | 10% ~ 95% relative humidity, non-condensing |

I/O

| | |
|---------------------|--|
| MIO | Refer to ordering information |
| SATA | 1 x SATA-300 |
| Hardware Monitoring | Detect CPU/system temperature, voltage and fan speed |
| Ethernet | 2 ports as 10/100/1000 Mbps support Wake-on-LAN, RPL/PXE Boot ROM with Intel® 82583V |
| Audio | HD Codec audio as MIC-in/Line-in/Line-out with Realtek ALC662 |
| USB | 6 x USB 2.0 |
| SMBus | System Management Bus for Advanced monitoring/control |
| Digital I/O | 8 channels IN/OUT programmable |
| TMP | Infineon SLB9635 with TPM 1.2 compliant |

Features

- Intel® Atom™ processor D2550 (1.86 GHz)/ N2800 (1.86 GHz)/ N2600 (1.6 GHz)
- Intel® NM10 chipset
- 1 DDR3 SO-DIMM supports up to 4 GB memory capacity
- 6 USB 2.0 ports
- 2 COM ports
- ZIO connector



Display

| | |
|-------------------|---|
| Chipset | Intel® GMA 3650 graphics core for D2550/ N2800 Intel® GMA 3600 graphics core for N2600 |
| Memory Size | Share system memory |
| Display Interface | 1 x VGA 1 x HDMI 1 x LVDS; 18/24-bit single/dual channel |

Packing List

| Standard | | |
|---|--|-----|
| Quick installation guide, user's manual/utility CD, cable | | |
| Cable | | |
| Part Number | Description | Qty |
| 59382620000E | 1 x COM w/ bracket P=2.0mm, L=300mm | 1 |
| 59384500100E | Audio cable w/ bracket P=2,450mm | 1 |
| 59382631000E | 2 x USB 2.0 wafer cable w/ bracket 180mm | 1 |

Ordering Information

| Standard | | | | | |
|-------------------------|--------------|-----------------------|----------|----------------|--------|
| Models | Fanless | PCI Express Mini Card | SIM Slot | RS-232/422/485 | RS-232 |
| CAPA830VHGGGA-D2550 | Heatsink fan | 1 | N/A | 1 | 1 |
| CAPA830VHGGGA-N2800 | Yes | 1 | N/A | 1 | 1 |
| CAPA830VHGGGA-N2600 | Yes | 1 | N/A | 1 | 1 |
| CAPA830VHGGGA-D2550-ZIO | Heatsink fan | 2 | 1 | 3 | 3 |
| CAPA830VHGGGA-N2800-ZIO | Yes | 2 | 1 | 3 | 3 |
| CAPA830VHGGGA-N2600-ZIO | Yes | 2 | 1 | 3 | 3 |